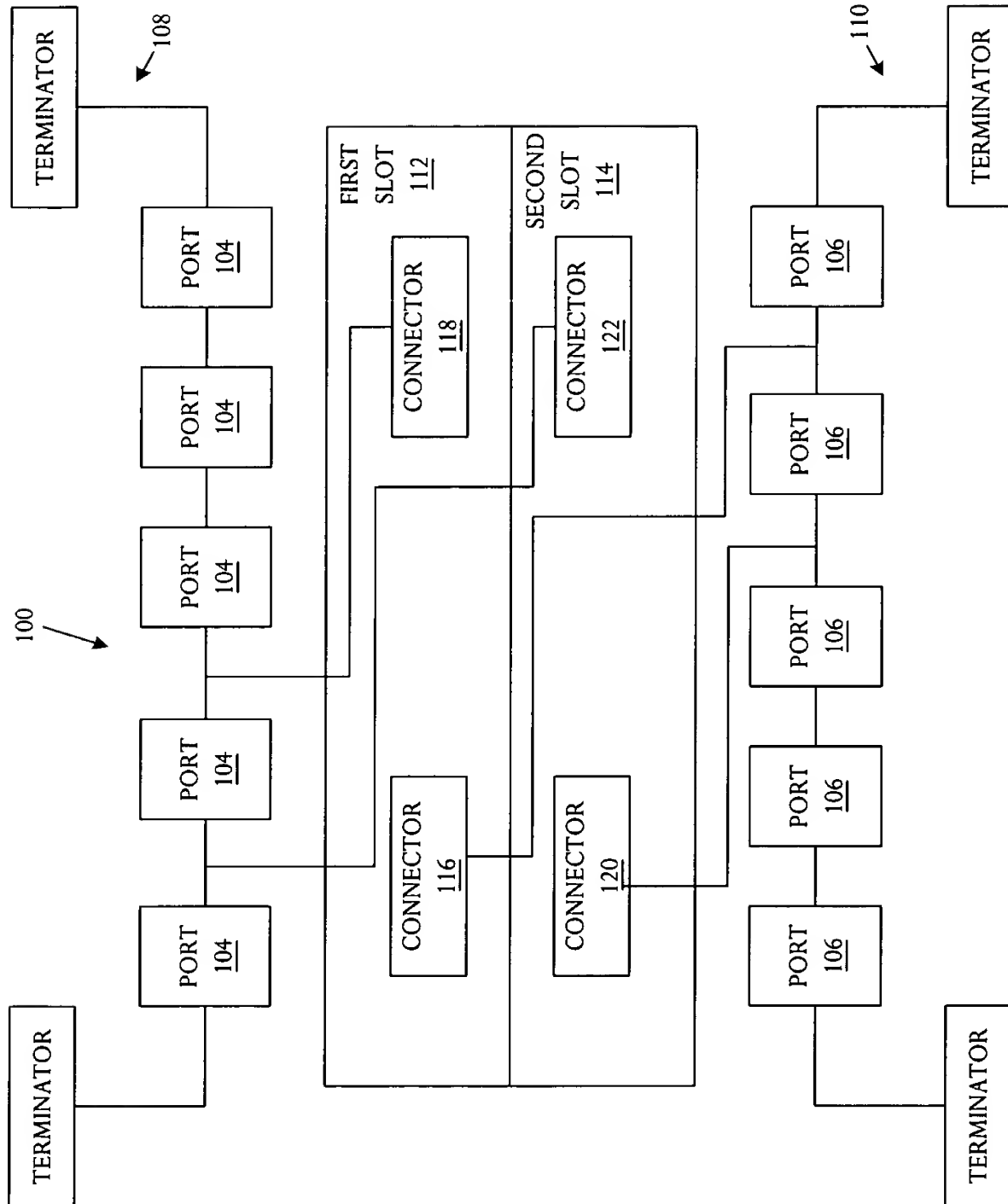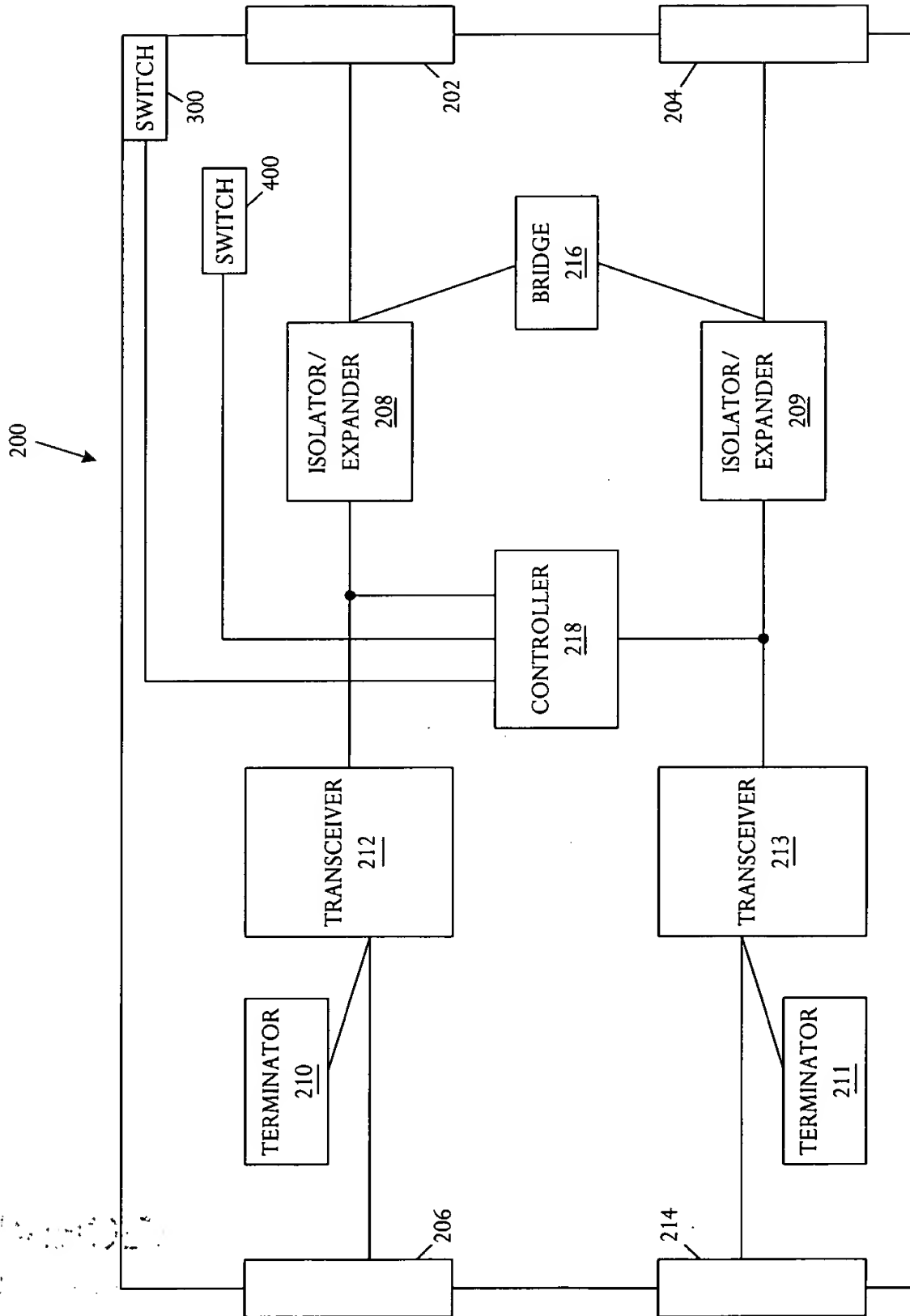**1/6**

FIG. 1

FIG. 2

FIG. 3

FIG. 4

Title: Dip Switch Configuration for Increased Usability with Multiple Cards
First Named Inventor: Benson, Anthony J.
Docket No.: 10003438-1

4/6

FIG. 5

FIG. 6

```
        ┌─────────────────────────────┐                          ┌─ 700
  702 ──│  BUS CONTROLLER CARDS       │                          │
        │  RECEIVED BY BACKPLANE      │                          ↓
        └─────────────────────────────┘
                     │
                     ↓
        ┌─────────────────────────────┐
  704 ──│  APPLY POWER TO BACKPLANE   │
        └─────────────────────────────┘
                     │                                       ┌─ 724
                     ↓                              ┌──────────────────────────┐
         706 ─◇─────────────◇                       │  AT LEAST ONE BUS        │
           ╱                 ╲        NO             │  CONTROLLER CARD DOES    │
          ◇  CARDS ALL SAME   ◇──────────────────▶  │  NOT CONNECT TO BUS      │
           ╲     MODEL?      ╱                       └──────────────────────────┘
            ◇───────────────◇                                    │
                     │ YES                                       ↓
                     ↓                              ┌──────────────────────────┐
        ┌─────────────────────────────┐            │       ISSUE ALERT         │
  708 ──│  DETERMINE MASTER CARD      │            └──────────────────────────┘
        └─────────────────────────────┘
                     │
                     ↓
        ┌─────────────────────────────┐
  709 ──│  CONNECT MASTER CARD TO     │
        │  BUS                        │
        └─────────────────────────────┘
                     │
                     ↓
        ┌─────────────────────────────┐
  710 ──│  MASTER CARD TRANSMITS      │
        │  SWITCH SETTINGS TO SERVANT │
        │  CARD                       │
        └─────────────────────────────┘
                     │
                     ↓
        ┌─────────────────────────────┐
  712 ──│  SERVANT COMPARES MASTER    │
        │  CARD SWITCH SETTINGS TO ITS│
        │  OWN                        │
        └─────────────────────────────┘
                     │                                       ┌─ 715
                     ↓                              ┌──────────────────────────┐
          714 ─◇─────────◇         YES             │  ALLOW SERVANT CARD TO   │
             ╱           ╲────────────────────────▶│  CONNECT TO BUS          │
            ◇   MATCH?    ◇                         └──────────────────────────┘
             ╲           ╱                                      │ ┌─ 716
              ◇─────────◇                                       ↓
                     │ NO                           ┌──────────────────────────┐
                     ↓                              │  BEGIN NORMAL OPERATION  │
        ┌─────────────────────────────┐            │  OF BUS CONTROLLER CARDS │
  720 ──│  SERVANT CARD NOT ALLOWED   │            └──────────────────────────┘
        │  TO CONNECT TO BUS          │
        └─────────────────────────────┘
                     │
                     ↓
        ┌─────────────────────────────┐
  722 ──│       ISSUE ALERT           │
        └─────────────────────────────┘
```

FIG. 7

Title: Dip Switch Configuration for Increased
                  Usability with Multiple Cards
First Named Inventor: Benson, Anthony J.
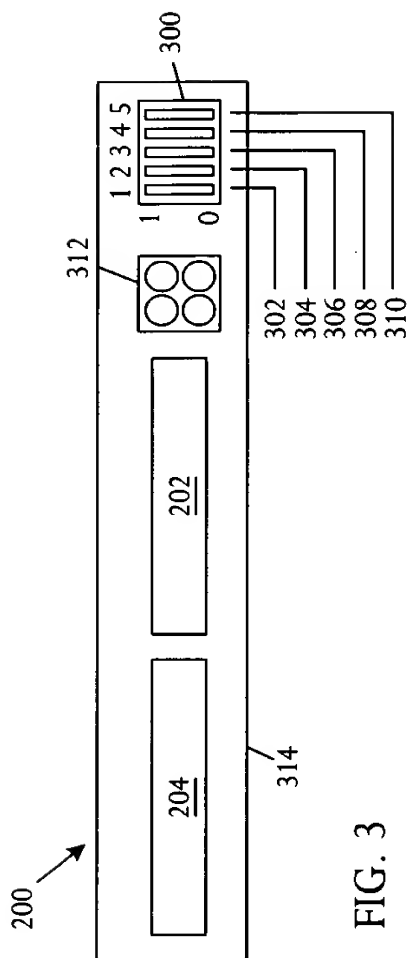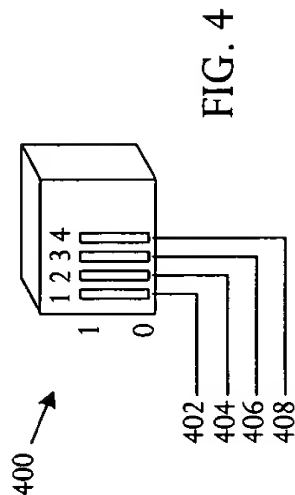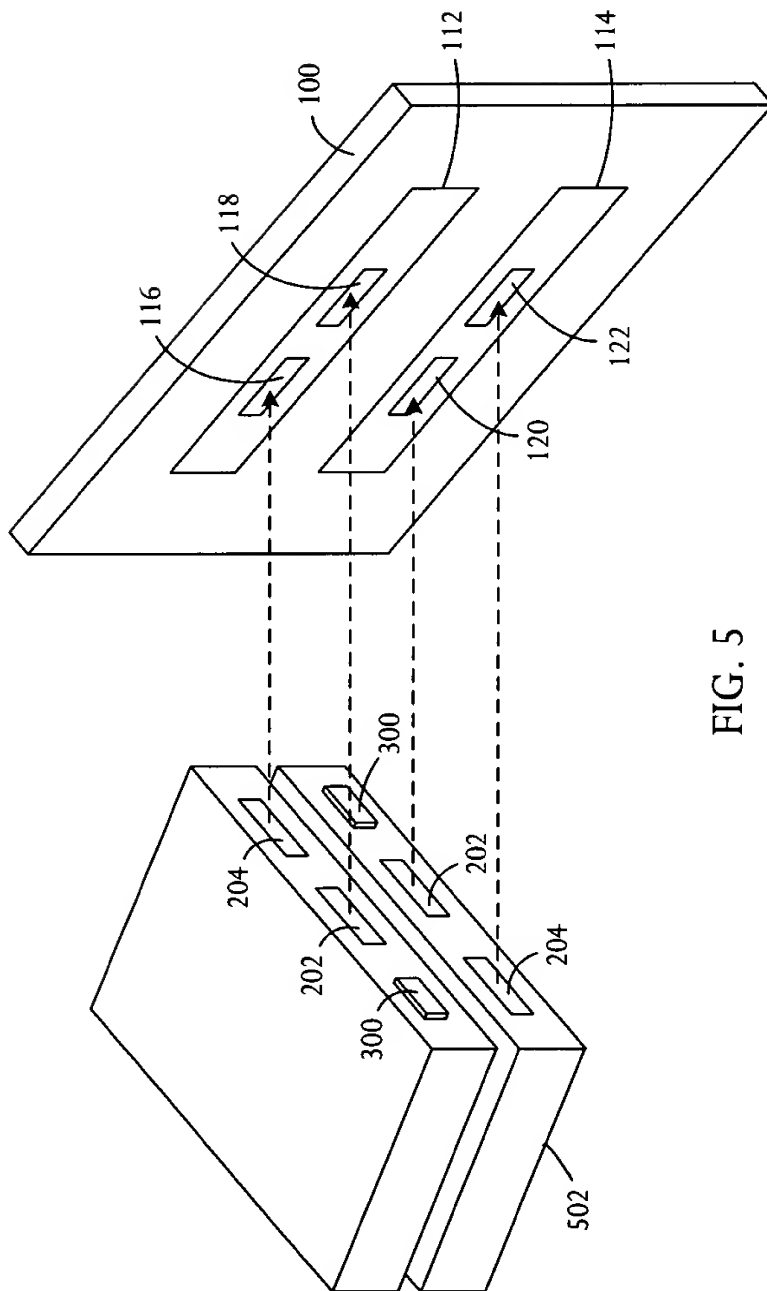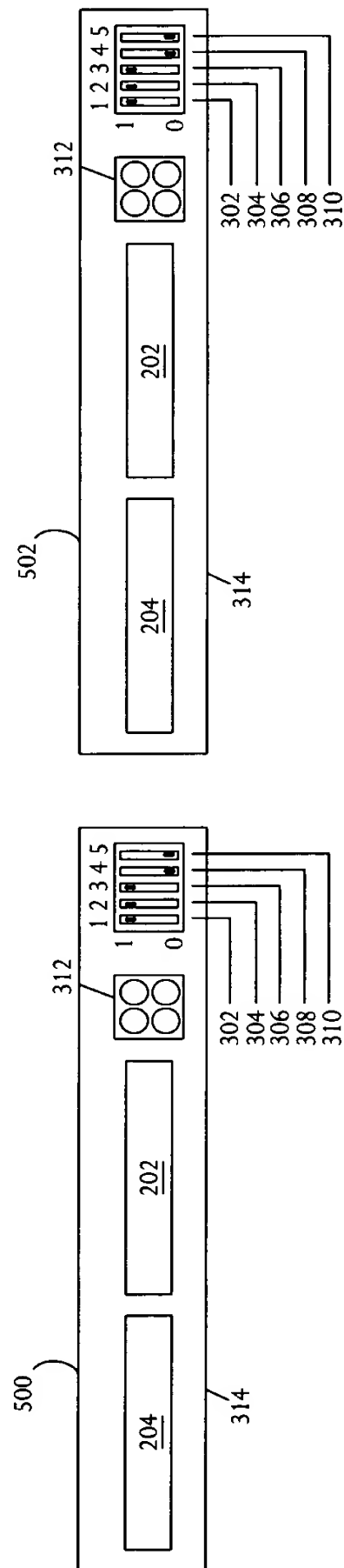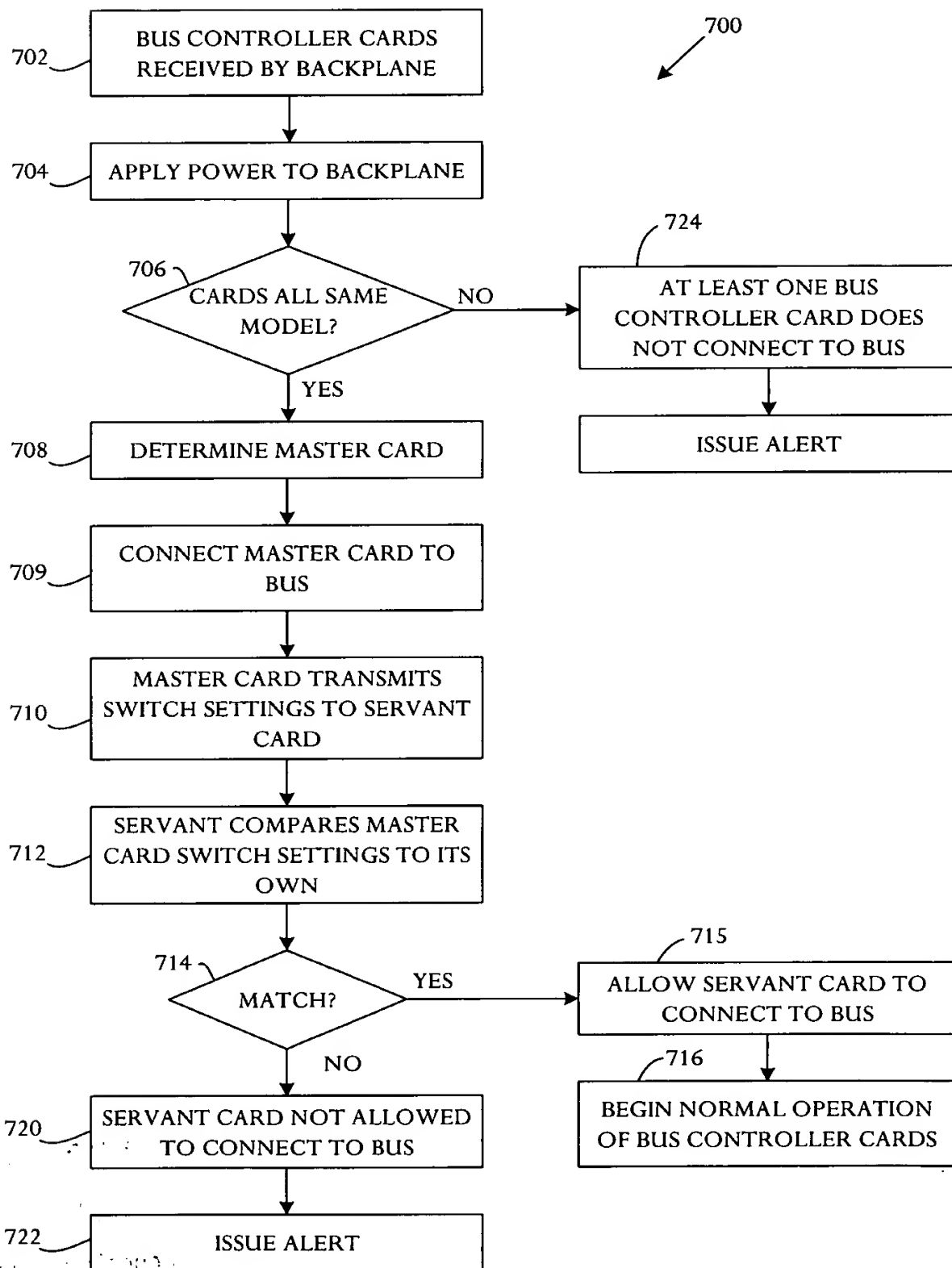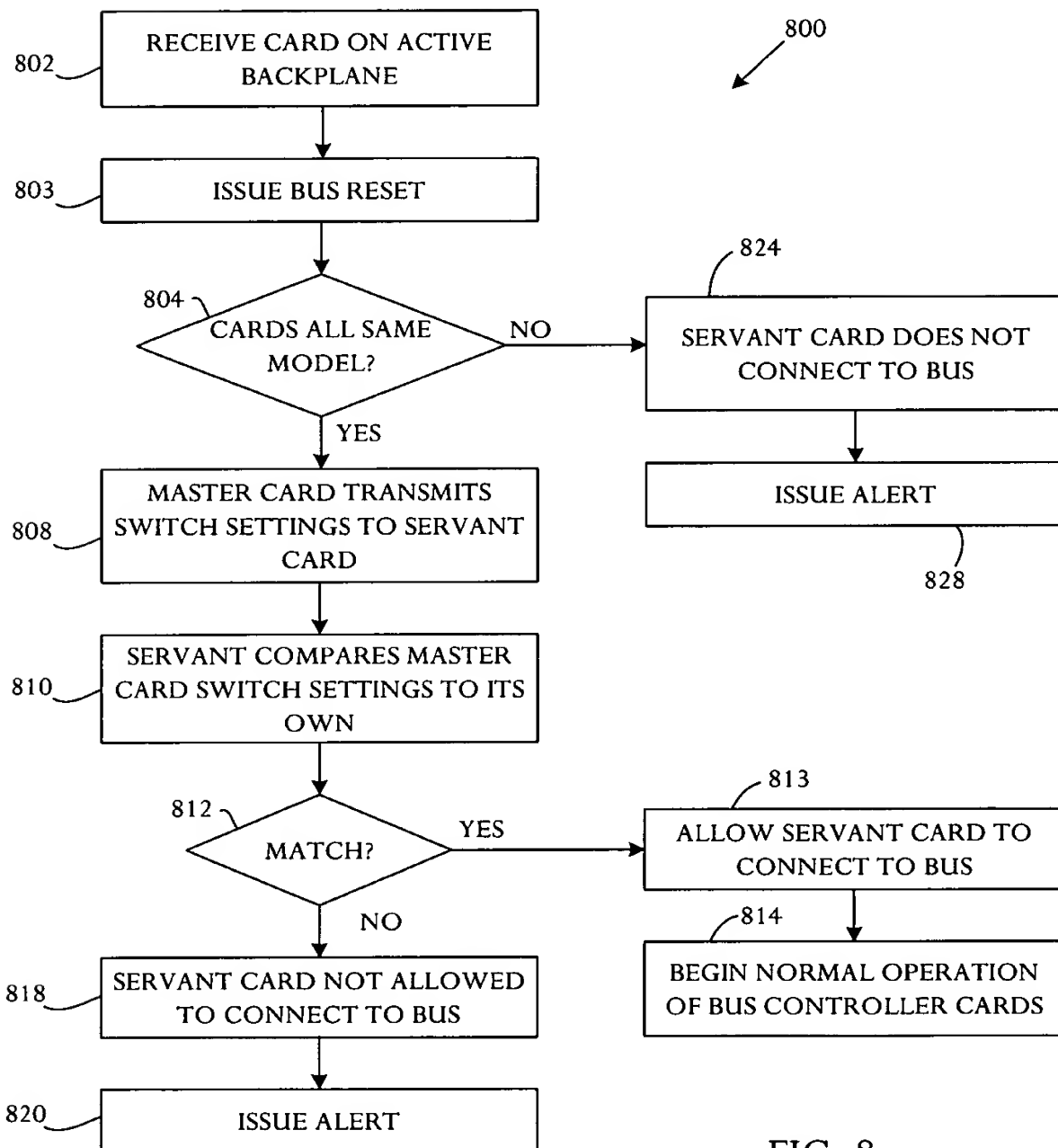Docket No.:   10003438-1

6/6

800

```
┌─────────────────────────────┐
│  RECEIVE CARD ON ACTIVE     │
802 │        BACKPLANE             │
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
803 │      ISSUE BUS RESET        │
└─────────────────────────────┘
              │
              ▼
         ◇ CARDS ALL SAME ◇ ──NO──▶ ┌──────────────────────────┐
804       MODEL?                     824 │ SERVANT CARD DOES NOT    │
         ◇            ◇              │   CONNECT TO BUS         │
              │                      └──────────────────────────┘
             YES                                │
              ▼                                 ▼
┌─────────────────────────────┐      ┌──────────────────────────┐
│ MASTER CARD TRANSMITS       │      │       ISSUE ALERT        │
808 │ SWITCH SETTINGS TO SERVANT  │      └──────────────────────────┘
│         CARD                │                     828
└─────────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
│ SERVANT COMPARES MASTER     │
810 │ CARD SWITCH SETTINGS TO ITS │
│         OWN                 │
└─────────────────────────────┘
              │
              ▼
812    ◇  MATCH?  ◇ ──YES──▶ ┌──────────────────────────┐
         ◇        ◇            813 │ ALLOW SERVANT CARD TO    │
              │               │    CONNECT TO BUS        │
             NO               └──────────────────────────┘
              ▼                            │
┌─────────────────────────────┐      ┌──────────────────────────┐
│ SERVANT CARD NOT ALLOWED    │      814 │ BEGIN NORMAL OPERATION   │
818 │   TO CONNECT TO BUS         │      │ OF BUS CONTROLLER CARDS  │
└─────────────────────────────┘      └──────────────────────────┘
              │
              ▼
┌─────────────────────────────┐
820 │        ISSUE ALERT          │
└─────────────────────────────┘
```

FIG. 8